BRUHAT BENGALURU MAHANAGARA PALIKE

Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16

ABSTRACT

SL.NO	Description of Amount	Amount
1	Construction of School Building with Borewell	1,66,22,646.47
2	Total - A	1,66,22,646.47
3	FOR TENDER PREMIUM 5%	8,31,132.32
4	FOR DPR 1%	2,00,000.00
5	FOR PMC 1%	2,00,000.00
6	TOTAL -B=(TOTAL- A + TENDER PREMIUM CHARGES+DPR+PMC)	1,78,53,778.79
7	GST 12%	21,42,453.46
8	TOTAL - C (TOTAL-B +GST)	1,99,96,232.25
9	Miscellaneous	3,767.75
10	GRAND TOTAL	2,00,00,000.00

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10	GRAND TOTAL	2,00,00,000.00

Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRB 200-7.1 : Clearing grass and removal of rubbish by manual means and stacking out side the periphery of the area cleaned as per specifications. MORTH Specification No.201 (Page no. 138: Item 18.10 P.W.D. SR-2018-19)								
		HA	1	30	50		1.500		
							0.15		
							0.15	27815.40	4172.00
	Basic Rate =	25755.00 ✓							
	Area Weightage @ 8%=	2060.40							
	Total Rate per Unit =	27815.40							
2	KSRB 2-1.1 :Earthwork in surface excavation in Ordinary Soil for Levelling and Lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. (Page no. 6: Item 2.1 P.W.D. SR-2018-19)								
		CUM	1	20.00	45.00	0.40	360.00		
							360.00		
	Basic Rate =	249.00 ✓							
	Area Weightage @ 8% =	19.92							
	Total Rate per Unit =	268.92						268.92	96811.00
3	KSRB 2-2.1 Earth work excavation for foundation of building, culverts, water supply sanitary lines, and electrical conduits either pits or in trenches 1.5m and above in width, in Ordinary not exceeding 1.5m in depth including dressing bottom and sides of pits and trenches, stacking excavated soil clear from edges of excavation with lead up to 50m after breaking of clods complete as per specifications.(Pg No 6-Item No 2.3 P.W.D. SR-2018-19)								
	Column Footing	Cum							
	F1		18	2.60	3.10	3.00	435.24		
	F2		16	2.30	2.80	3.00	309.12		
	F3		2	3.10	3.60	3.00	66.96		
	EXTERNAL WALLS								
	External Plinth wall Verticle		1	18.30	0.90	1.00	16.47		
	External Plinth wall Verticle		1	18.30	0.90	1.00	16.47		
	External Plinth wall Horizontal		1	38.00	0.90	1.00	34.20		
	External Plinth wall Horizontal		1	44.50	0.90	1.00	40.05		
	SUMP Tank		1	3.40	3.40	2.50	28.90		
	Deduction								
	F1		18	-2.60	0.90	1.00	-42.12		
	F2		16	-2.30	0.90	1.00	-33.12		
	F3		2	-3.10	0.90	1.00	-5.58		
							866.59		
	Basic Rate =	299.00 ✓							
	Area Weightage @ 8% =	23.92							
	Total Rate per Unit =	322.92						322.92	279839.00
4	KSRB-3.2 : Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical,diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) (Pg No 10-Item No 3.2 P.W.D. SR-2018-19)								
		SQM					811.32		
	Basic Rate =	106.00 ✓					811.32		
	Area Weightage @ 8% =	8.48							
	Total Rate per Unit =	114.48						114.48	92880.00

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
5	KSRB 4-1.2 Providing and Laying in position plain cement concrete of Mix 1:3:6 with OPC Cement @180kgs with 40mm down size graded granite metal coarse aggregate 0.85cum and fine aggregate @ 0.57Cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation, plinth, including cost of materilas, HOM of machineries, curing complete as per specification. (Issue rate as on date 21-10-19, Item No. 4.2)								
	Column Footing	Cum							
	F1		18	2.45	2.95	0.15	19.51		
	F2		16	2.15	2.65	0.15	13.67		
	F3		2	2.95	3.45	0.15	3.05		
	EXTERNAL WALLS								
	External Plinth wall Verticle		1	18.30	0.90	0.15	2.47		
	External Plinth wall Verticle		1	18.30	0.90	0.15	2.47		
	External Plinth wall Horizontal		1	38.00	0.90	0.15	5.13		
	External Plinth wall Horizontal		1	44.50	0.90	0.15	6.01		
	SUMP Tank		1	3.20	3.20	0.15	1.54		
	INNER PLINTH BEAM								
	Grid -C		1	18.00	0.20	0.15	0.54		
	Grid -D		1	6.60	0.20	0.15	0.20		
	Grid -E		1	10.00	0.20	0.15	0.30		
	Grid -F		1	6.30	0.20	0.15	0.19		
	Grid -G		1	10.00	0.20	0.15	0.30		
	Grid -H		1	10.00	0.20	0.15	0.30		
	Grid -I		1	6.30	0.20	0.15	0.19		
	Grid -J		1	10.00	0.20	0.15	0.30		
	Grid -K		1	6.30	0.20	0.15	0.19		
	Grid -L		1	18.00	0.20	0.15	0.54		
	Grid -05		1	44.50	0.20	0.15	1.34		
	Grid -07		1	38.00	0.20	0.15	1.14		
	ROOM-1		1	5.40	6.75	0.10	3.65		
	ROOM-2		1	5.40	6.75	0.10	3.65		
	ROOM-3		1	5.40	6.75	0.10	3.65		
	ROOM-4		1	5.40	6.75	0.10	3.65		
	ROOM-5		1	5.40	6.75	0.10	3.65		
	ROOM-6		1	6.85	7.62	0.10	5.22		
	ROOM-7		1	6.85	7.62	0.10	5.22		
	OFFICE -1		1	6.17	6.30	0.10	3.89		
	OFFICE -2		1	6.17	6.30	0.10	3.89		
	STAIRECASE		1	3.30	4.25	0.10	1.40		
	STAIRECASE		1	3.30	4.25	0.10	1.40		
	PORTICO		1	6.95	5.35	0.10	3.72		
	LOBBY		1	6.56	6.30	0.10	4.13		
	GENTS TOILET		1	5.40	6.75	0.10	3.65		
	PASSAGE		1	26.00	2.70	0.10	7.02		
	PASSAGE		2	5.50	2.15	0.10	2.37		
					Sub Total		119.55	5698.62	681279.00
	Basic Rate =	5276.50							
	Area Weightage @ 8% =	422.12							
	Total Rate per Unit =	5698.62							

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
6	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Issue rate as on date 21-10-19, Item No. 4.12)								
	Footing	Cum							
	F1		18	2.30	2.80	0.75	86.94		
	F2		16	2.00	2.50	0.75	60.00		
	F3		2	2.80	3.30	0.75	13.86		
	SUMP TANK		1	3.00	3.00	0.45	4.05		
							164.85	6666.30	1098940.00
	Basic Rate =	6172.50							
	Area Weightage @ 8% =	493.80							
	Total Rate per Unit =	6666.30							
7	KSRB 4-6.1 : Providing and removing a centering, shuttering, strutting, propping etc.., and removal of form work for a foundation footing bases of column for mass concrete including cost of all materials, labours, complete as per specificatons (Pg No 16-Item No 4.28@ P.W.D SR -2018-19)								
	Ground Floor	Sqm							
	For column footing								
	F1		18	10.20		0.75	137.70		
	F2		16	9.00		0.75	108.00		
	F3		2	12.20		0.75	18.30		
	SUMP TANK		1	12.00		0.45	5.40		
							269.40	278.64	75066.00
	Basic Rate =	258.00							
	Area Weightage @ 8% =	20.64							
	Total Rate per Unit =	278.64							
8	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Issue rate as on date 21-10-19, Item No. 4.12)								
	FOR GROUND FLOOR								
	Under Ground Tank(sump)	CUM	1	12.00	0.15	2.50	4.50		
	Column up to Plinth level	CUM							
	C1		18	0.20	0.75	2.50	6.75		
	C2		16	0.20	0.60	2.50	4.80		
	C3		2	0.20	0.90	2.50	0.90		
	A.Column up to Ground floor roof level	CUM							
	C1		18	0.20	0.75	3.20	8.64		
	C2		16	0.20	0.60	3.20	6.14		
	C3		2	0.20	0.90	3.20	1.15		
	GF TO FF STAIRE CASE	2 NO'S							
	waist slab 1st flight		2.00	3.35	1.20	0.15	1.21		

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	2nd flight		2.00	3.35	1.20	0.15	1.21		
	landing beam		2.00	2.40	0.20	0.30	0.29		
	landing		4.00	2.40	2.70	0.15	3.89		
	steps 24 x 0.5 triangle		24.00	2.40	0.30	0.15	2.59		
							42.07	6666.30	280425.00
	Basic Rate =	6172.50							
	Area Weightage @ 8% =	493.80							
	Total Rate per Unit =	6666.30							
	B.Column For First Floor	CUM							
	C1		18	0.20	0.75	3.20	8.64		
	C2		16	0.20	0.60	3.20	6.14		
	C3		2	0.20	0.90	3.20	1.15		
	FF TO SF STAIRE CASE	2 NO'S							
	waist slab 1st flight		2.00	3.35	1.20	0.15	1.21		
	2nd flight		2.00	3.35	1.20	0.15	1.21		
	landing beam		2.00	2.40	0.20	0.30	0.29		
	landing		4.00	2.40	2.70	0.15	3.89		
	steps 24 x 0.5 triangle		24.00	2.40	0.30	0.15	2.59		
							25.12	6731.10	169058.00
	Basic Rate =	6172.50							
	Lift charges=	60.00							
	Area Weightage @ 8% =	498.60							
	Total Rate per Unit =	6731.10							
	C.Column for Second Floor	CUM							
	C2		6	0.20	0.60	3.20	2.30		
	C3		2	0.20	0.90	3.20	1.15		
							3.46	6795.90	23487.00
	Basic Rate =	6172.50							
	Lift charges=	120.00							
	Area Weightage @ 8% =	503.40							
	Total Rate per Unit =	6795.90							
9	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19)								
	Ground Floor	Sqm							
	Under Ground Tank(sump)		1	24.00		2.50	60.00		
	For Column up plinth level								
	C1		18	1.90		2.50	85.50		
	C2		16	1.60		2.50	64.00		
	C3		2	2.20		2.50	11.00		
	A.Column up to Ground floor roof level								
	C1		18	1.90		3.20	109.44		
	C2		16	1.60		3.20	81.92		

C3		2	2.20		D 3.20	Qty 14.08	Rate	Amount
GF TO FF STAIRE CASE	2NO'S							
Steps		48	1.2	0.15		8.64		
Landing		4	2.4	2.7		25.92		
WAIST SLAB 1 st flight		2	3.35	1.2		8.04		
WAIST SLAB 2 nd flight		2	3.35	1.2		8.04		
Landing Beam		4	2.4		0.15	1.44		
		2	2.4	0.2		0.96		
Basic Rate =	456.00					478.98		
Area Weightage @ 8% =	36.48						492.48	235888.00
Total Rate per Unit =	492.48							
B.Column For First Floor								
C1		18	1.90		3.20	109.44		
C2		16	1.60		3.20	81.92		
C3		2	2.20		3.20	14.08		
FF TO SF STAIRE CASE	2NO'S							
Steps		48	1.2	0.15		8.64		
Landing		4	2.4	2.7		25.92		
WAIST SLAB 1 st flight		2	3.35	1.2		8.04		
WAIST SLAB 2 nd flight		2	3.35	1.2		8.04		
Landing Beam		4	2.4		0.15	1.44		
		2	2.4	0.2		0.96		
Basic Rate =	456.00					258.48		
Lift charges	6.00						498.96	128971.00
Area Weightage @ 8% =	36.96							
Total Rate per Unit =	498.96							
C.Column for Second Floor	Sqm							
C2		6	1.60		3.20	30.72		
C3		2	2.20		3.20	14.08		
Basic Rate =	456.00					44.80		
Lift charges	12.00						505.44	22644.00
Area Weightage @ 8% =	37.44							
Total Rate per Unit =	505.44							

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
10	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Issue rate as on date 21-10-19, Item No. 4.12)								
	Ground floor Sump & Plith Beam	Cum							
	EXTERNAL WALLS								
	External Plinth wall Verticle		1	18.30	0.20	0.45	1.65		
	External Plinth wall Verticle		1	18.30	0.20	0.45	1.65		
	External Plinth wall Horizontal		1	38.00	0.20	0.45	3.42		
	External Plinth wall Horizontal		1	44.50	0.20	0.45	4.01		
	SUMP Tank		1	3.20	3.20	0.15	1.54		
	INNER PLINTH BEAM								
	Grid -C		1	18.00	0.20	0.45	1.62		
	Grid -D		1	6.60	0.20	0.45	0.59		
	Grid -E		1	10.00	0.20	0.45	0.90		
	Grid -F		1	6.30	0.20	0.45	0.57		
	Grid -G		1	10.00	0.20	0.45	0.90		
	Grid -H		1	10.00	0.20	0.45	0.90		
	Grid -I		1	6.30	0.20	0.45	0.57		
	Grid -J		1	10.00	0.20	0.45	0.90		
	Grid -K		1	6.30	0.20	0.45	0.57		
	Grid -L		1	18.00	0.20	0.45	1.62		
	Grid -05		1	44.50	0.20	0.45	4.01		
	Grid -07		1	38.00	0.20	0.45	3.42		
							28.84	6666.30	192256.00
	Basic Rate =	6172.50							
	Area Weightage @ 8% =	493.80							
	Total Rate per Unit =	6666.30							
11	KSRB 4.6.4: Providing and removing centring, shuttering,propping etc., and removal of form work for vertical surface such as walls at any thickess, including attached pilastrers, buttresses, plinth and srring courses cost of all materials,labour complete as per specifications, (page no 16 item 4.31 P.W.D SR -2018-19)								
	Plinth Beam Side	Sqm							
	External Plinth wall Verticle		2	18.30		0.45	16.47		
	External Plinth wall Verticle		2	18.30		0.45	16.47		
	External Plinth wall Horizontal		2	38.00		0.45	34.20		
	External Plinth wall Horizontal		2	44.50		0.45	40.05		
	SUMP Tank		1	10.24			10.24		
	INNER PLINTH BEAM								
	Grid -C		2	18.00		0.45	16.20		
	Grid -D		2	6.60		0.45	5.94		
	Grid -E		2	10.00		0.45	9.00		
	Grid -F		2	6.30		0.45	5.67		
	Grid -G		2	10.00		0.45	9.00		
	Grid -H		2	10.00		0.45	9.00		
	Grid -I		2	6.30		0.45	5.67		

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Grid -J		2	10.00		0.45	9.00		
	Grid -K		2	6.30		0.45	5.67		
	Grid -L		2	18.00		0.45	16.20		
	Grid -05		2	44.50		0.45	40.05		
	Grid -07		2	38.00		0.45	34.20		
	Basic Rate =	358.00					283.03	386.64	109431.00
	Area Weightage @ 8% =	28.64							
	Total Rate per Unit =	386.64							
12	ksrb 5.2-3 Providing and constructing granite /trap/basalt size stone masonry in foundation with cement motar 1:6 stone hammer dressed in coursenot less than 20cm high bond stones at two m apart in each course including cost of materils ,lobour curing complete as per specification. (Issue rate as on date 21-10-19, Item No. 5.6)								
	Main wall For Foundation	Sqm							
	External Plinth wall Vertide		1	18.30	0.600	0.45	4.94		
			1	18.30	0.450	0.45	3.71		
	External Plinth wall Vertide		1	18.30	0.600	0.45	4.94		
			1	18.30	0.450	0.45	3.71		
	External Plinth wall Horizontal		1	38.00	0.600	0.45	10.26		
			1	38.00	0.450	0.45	7.70		
	External Plinth wall Horizontal		1	44.50	0.600	0.45	12.02		
			1	44.50	0.450	0.45	9.01		
							56.27	4997.10	281210.00
	Basic Rate =	4626.94							
	Area Weightage @8% =	370.16							
	Total Rate per Unit =	4997.10							
13	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones hammer dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Issue rate as on date 21-10-19, Item No. 5.9)								
	Main wall For Foundation	Cum							
	External Plinth wall Vertide		1	18.30	0.450	0.40	3.29		
	External Plinth wall Vertide		1	18.30	0.450	0.40	3.29		
	External Plinth wall Horizontal		1	38.00	0.450	0.40	6.84		
	External Plinth wall Horizontal		1	44.50	0.450	0.40	8.01		
	Basic Rate =	5513.94					21.44	5955.06	127664.00
	Area Weightage @8% =	441.12							
	Total Rate per Unit =	5955.06							

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
14	KSRD-15.2.2 Providing ruled pointing to coursed stone masonry with cement mortar 1:3 , 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials,labour,curing complete as per specification. (Issue rate as on date 21-10-19, Item No. 15.8)								
	Main wall For Foundation	Sqm							
	External Plinth wall Verticle		1	18.30		0.40	7.32		
	External Plinth wall Verticle		1	18.30		0.40	7.32		
	External Plinth wall Horizontal		1	38.00		0.40	15.20		
	External Plinth wall Horizontal		1	44.50		0.40	17.80		
							47.64	53.33	2541.00
	Basic Rate =	49.38							
	Area Weightage @ 8% =	3.95							
	Total Rate per Unit =	53.33							
15	KSRD 2.3 : Filling available excavated earth (excluded rock)in side of founation upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead up to 50m. And lift up to 1.5m including cost of all labours complete as per specification (page 7 : Item 2.10 @ P.W.D SR-2018-19)								
	Excavation	Cum							
	Excavated Earth=						866.59		
	Construction of (Bed+Footing)=						284.40		
	Net Qty of Available Earth=								
	Basic Rate =	201.00					582.19		
	Area Weightage @ 8% =	16.08						217.08	126381.00
	Total Rate per Unit =	217.08							
16	KSRB 5-14 : Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (Issue rate as on date 21-10-19, Item No. 5.27.1)								
	OR								
	Providing and constructing mud blocks in superstructure including cost of materils, labours charges,scafolding,curing,complete as per specification.								
	GROUND FLOOR	SQM							
	Outer Wall								
	Horizontal walls		1	42.00		2.60	109.20		
	Horizontal walls		1	48.00		2.60	124.80		
	Outer Wall								
	Vertical walls		1	18.30		2.60	47.58		
	Vertical walls		1	20.50		2.60	53.30		
	Vertical walls		1	6.50		2.60	16.90		
	Inner Side Wall								
	Horizontal walls		1	38.00		2.60	98.80		
	Horizontal walls		1	44.50		2.60	115.70		
	Inner Side Wall								
	Vertical walls		6	6.75		2.60	105.30		
	Vertical walls		6	7.62		2.60	118.87		

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	DEDUCTIONS								
	FOR GROUND FLOOR								
	GATE		-1	5.35		2.10	-11.24		
	D1		-10	1.20		2.10	-25.20		
	D2		-5	0.75		2.10	-7.88		
	W		-25	1.80		1.50	-67.50		
	W1		-3	2.10		1.50	-9.45		
	V		-5	0.60		0.30	-0.90		
	DEDUCTIONS FOR LINTEL								
	GATE		-1	5.95		0.15	-0.89		
	D1		-10	1.80		0.15	-2.70		
	D2		-5	1.35		0.15	-1.01		
	W		-25	2.40		0.15	-9.00		
	W1		-3	2.70		0.15	-1.22		
	V		-5	1.20		1.15	-6.90		
							646.57	987.95	638782.00
	Basic Rate =	914.77							
	Area Weightage @ 8% =	73.18							
	Total Rate per Unit =	987.95							
	FIRST FLOOR	SQM							
	Outer Wall								
	Horizontal walls		1	42.00		2.60	109.20		
	Horizontal walls		1	48.00		2.60	124.80		
	Outer Wall								
	Vertical walls		1	18.30		2.60	47.58		
	Vertical walls		1	20.50		2.60	53.30		
	Vertical walls		1	6.50		2.60			
	Inner Side Wall								
	Horizontal walls		1	38.00		2.60	98.80		
	Horizontal walls		1	44.50		2.60	115.70		
	Inner Side Wall								
	Vertical walls		6	6.75		2.60	105.30		
	Vertical walls		6	7.62		2.60	118.87		
	DEDUCTIONS								
	FOR FIRST FLOOR								
	D1		-10	1.20		2.10	-25.20		
	D2		-5	0.75		2.10	-7.88		
	W		-27	1.80		1.50	-72.90		
	W1		-3	1.20		1.50	-5.40		
	V		-5	0.60		0.30	-0.90		
	DEDUCTIONS FOR LINTEL								
	D1		-10	1.80		0.15	-2.70		
	D2		-5	1.35		0.15	-1.01		
	W		-27	2.40		0.15	-9.72		
	W1		-3	1.80		0.15	-0.81		
	V		-5	1.20		0.15	-0.90		
							646.13	1025.75	662773.00
	Basic Rate =	914.77							
	Lift charges=	35.00							
	Area Weightage @ 8% =	75.98							
	Total Rate per Unit =	1025.75							
	SECOND FLOOR	SQM							
	Outer Wall								

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Horizontal walls		2	3.30		0.90	5.94		
	Horizontal walls		2	3.30		2.60	17.16		
	Outer Wall								
	Vertical walls		2	5.00		2.60	26.00		
	Vertical walls		2	5.00		2.60	26.00		
	PARAPET WALL								
	Horizontal walls		1	38.00		0.90	34.20		
	Horizontal walls		1	44.50		0.90	40.05		
	Vertical walls		1	18.00		0.90	16.20		
	Vertical walls		1	18.00		0.90	16.20		
	DEDUCTIONS								
	D1		-2	0.90		2.10	-3.78		
	W		-2	1.80		1.50	-5.40		
	DEDUCTIONS FOR LINTEL								
	D1		-2	1.50		0.15	-0.45		
	W		-2	2.40		0.15	-0.72		
							171.40	1063.55	182293.00
	Basic Rate =	914.77							
	Lift charges=	70.00							
	Area Weightage @ 8% =	78.78							
	Total Rate per Unit =	1063.55							
17	KSRB 5-14.1 : Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (Issue rate as on date 21-10-19, Item No. 5.27.2)								
	OR								
	Providing and constructing mud blocks in superstructure including cost of materils, labours charges,scafolding,curing,complete as per specification.								
	GROUND FLOOR	SQM							
	Vertical walls		1	6.75		2.70	18.23		
	Horizontal walls		4	1.50		2.70	16.20		
	DEDUCTIONS								
	D2		-5	0.75		2.10	-7.88		
							34.43	1032.22	35534.00
	Basic Rate =	955.76							
	Area Weightage @ 8% =	76.46							
	Total Rate per Unit =	1032.22							
	FIRST FLOOR	SQM							
	Vertical walls		1	6.75		2.70	18.23		
	Horizontal walls		4	1.50		2.70	16.20		
	D2		-5	0.75		2.10	-7.88		
							26.55	1070.02	28409.00
	Basic Rate =	955.76							
	Lift charges=	35.00							
	Area Weightage @ 8% =	79.26							
	Total Rate per Unit =	1070.02							

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
18	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Issue rate as on date 21-10-19, Item No. 4.12)								
	Ground Floor	Cum							
	Window cill								
	W		25	2.40	0.20	0.075	0.90		
	W1		3	2.70	0.20	0.075	0.12		
	V		5	1.20	0.20	0.075	0.09		
							1.11	6666.30	7410.00
	Basic Rate =	6172.50							
	Area Weightage @ 8% =	493.80							
	Total Rate per Unit =	6666.30							
	First Floor	Cum							
	Window cill								
	W		27	2.40	0.20	0.075	0.97		
	W1		6	2.70	0.20	0.075	0.24		
	V		5	1.20	0.20	0.075	0.09		
							1.31	6731.10	8784.00
	Basic Rate =	6172.50							
	Lift charges=	60.00							
	Area Weightage @ 8% =	498.60							
	Total Rate per Unit =	6731.10							
19	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Issue rate as on date 21-10-19, Item No. 4.12)								
	FOR LINTEL GROUND FLOOR	Cum							
	MD		0	2.40	0.15	0.15	0.00		
	D1		10	1.80	0.20	0.15	0.54		
	D2		5	1.35	0.20	0.15	0.20		
	W		25	2.40	0.20	0.15	1.80		
	W1		3	2.70	0.20	0.15	0.24		
	V		5	1.20	0.20	0.15	0.18		
					Sub Total		2.97	6666.30	19769.00
	Basic Rate =	6172.50							
	Area Weightage @ 8% =	493.80							
	Total Rate per Unit =	6666.30							

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	FOR LINTEL FIRST FLOOR	Cum							
	D1		10	1.80	0.20	0.15	0.54		
	D2		5	1.35	0.15	0.15	0.15		
	W		27	2.40	0.20	0.15	1.94		
	W1		3	1.80	0.20	0.15	0.16		
	V		5	1.20	0.20	0.15	0.18		
					Sub Total		2.98	6731.10	20044.00
	Basic Rate =	6172.50							
	Lift charges=	60.00							
	Area Weightage @ 8% =	498.60							
	Total Rate per Unit =	6731.10							
	FOR LINTEL SECOND FLOOR	Cum							
	D		2	1.80	0.20	0.15	0.11		
	W		2	2.40	0.20	0.15	0.14		
					Sub Total		0.25	6795.90	1713.00
	Basic Rate =	6172.50							
	Lift charges=	120.00							
	Area Weightage @ 8% =	503.40							
	Total Rate per Unit =	6795.90							
20	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17 I.No.4.34 of PWD S.R 2018-19)								
	GROUND FLOOR	Sqm							
	LINTEL SIDES								
	D1		20	1.80		0.15	5.40		
	D2		10	1.35		0.15	2.03		
	W		50	2.40		0.15	18.00		
	W1		6	2.70		0.15	2.43		
	V		10	1.20		0.15	1.80		
	LINTEL BOTTOM								
	D1		10	1.80	0.20		3.60		
	D2		5	1.35	0.20		1.35		
	W		25	2.40	0.20		12.00		
	W1		3	2.70	0.20		1.62		
	V		5	1.20	0.20		1.20		
	Basic Rate =	292.00					49.43	315.36	15587.00
	Area Weightage @ 8% =	23.36							
	Total Rate per Unit =	315.36							
	FIRST FLOOR	Sqm							
	LINTEL SIDES								
	D1		20	1.80		0.15	5.40		
	D2		10	1.35		0.15	2.03		
	W		54	2.40		0.15	19.44		
	W1		6	1.80		0.15	1.62		
	V		10	1.20		0.15	1.80		

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	LINTEL BOTTOM								
	D1		10	1.80	0.20		3.60		
	D2		5	1.35	0.20		1.35		
	W		27	2.40	0.20		12.96		
	W1		3	1.80	0.20		1.08		
	V		5	1.20	0.20		1.20		
	Basic Rate =	292.00					50.48	321.84	16245.00
	Lift charges=	6.00							
	Area Weightage @ 8% =	23.84							
	Total Rate per Unit =	321.84							
	SECOND FLOOR	Sqm							
	LINTEL SIDES								
	D		4	1.80		0.15	1.08		
	W		4	2.40		0.15	1.44		
	LINTEL BOTTOM								
	D		2	1.80	0.20		0.72		
	W		2	2.40	0.20		0.96		
	Basic Rate =	292.00					4.20	328.32	1379.00
	Lift charges=	12.00							
	Area Weightage @ 8% =	24.32							
	Total Rate per Unit =	328.32							
21	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Issue rate as on date 21-10-19, Item No. 4.20)								
	Ground Floor Chajja	Sqm							
	W		25	2.40	0.60		36.00		
	W1		3	2.70	0.60		4.86		
							40.86	546.70	22338.00
	Basic Rate =	506.20							
	Area Weightage @ 8% =	40.50							
	Total Rate per Unit =	546.70							
	First Floor Chajja	Sqm							
	W		27	2.40	0.60		38.88		
	W1		3	2.70	0.60		4.86		
							43.74	552.10	24149.00
	Basic Rate =	506.20							
	Lift charges=	5.00							
	Area Weightage @ 8% =	40.90							
	Total Rate per Unit =	552.10							
	Second Floor Chajja	Sqm							
	W		2	2.40	0.60		2.88		
							2.88	557.50	1606.00
	Basic Rate =	506.20							
	Lift charges=	10.00							
	Area Weightage @ 8% =	41.30							
	Total Rate per Unit =	557.50							
22	KSRB 4-6.10: Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No.KBS 4.6.2 (P.No.17, I.No.4.37 of PWD - SR 2018-19)								

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Ground Floor Chajja	Sqm							
	W		25	2.40	0.60		36.00		
	W1		3	2.70	0.60		4.86		
	Basic Rate =	323.00					40.86	348.84	14254.00
	Area Weightage @ 8% =	25.84							
	Total Rate per Unit =	348.84							
	First Floor Chajja	Sqm							
	W		27	2.40	0.60		38.88		
	W1		3	2.70	0.60		4.86		
	Basic Rate =	323.00					43.74	355.32	15542.00
	Lift charges=	6.00							
	Area Weightage @ 8% =	26.32							
	Total Rate per Unit =	355.32							
	Second Floor Chajja	Sqm							
	W		2	2.40	0.60		2.88		
	Basic Rate =	323.00					2.88	361.80	1042.00
	Lift charges=	12.00							
	Area Weightage @ 8% =	26.80							
	Total Rate per Unit =	361.80							
23	Providing and laying in position cement concrete using 20mm and down size granite coarse aggregate and fine aggregate of ready mix concrete for RCC works laid 15cm thick layers and well compacted including vibrating curing etc., including smoth finish in CM 1:3, with all lead and lift.'complete. (exclusive of cost of steel fabrication charges) -Ready mixed cement concrete for Beams,columns stairecase and roof with M-25(1:1:2) (Cement-320Kg/cum) (Issue rate as on date 21-10-19, Item No. 4.49.2)								
	GROUND FLOOR BEAMS	Cum							
	External Beam Verticle		1	18.30	0.20	0.45	1.65		
	External Beam Verticle		1	18.30	0.20	0.45	1.65		
	External Beam Horizontal		1	38.00	0.20	0.45	3.42		
	External Beam Horizontal		1	44.50	0.20	0.45	4.01		
	INNER BEAM								
	Grid -C		1	18.00	0.20	0.45	1.62		
	Grid -D		1	6.60	0.20	0.45	0.59		
	Grid -E		1	10.00	0.20	0.45	0.90		
	Grid -F		1	6.30	0.20	0.45	0.57		
	Grid -G		1	10.00	0.20	0.45	0.90		
	Grid -H		1	10.00	0.20	0.45	0.90		
	Grid -I		1	6.30	0.20	0.45	0.57		
	Grid -J		1	10.00	0.20	0.45	0.90		
	Grid -K		1	6.30	0.20	0.45	0.57		
	Grid -L		1	18.00	0.20	0.45	1.62		
	Grid -05		1	44.50	0.20	0.45	4.01		
	Grid -07		1	38.00	0.20	0.45	3.42		
							27.30	6074.46	165833.00
	Basic Rate =	5624.50							
	Area Weightage @ 8% =	449.96							
	Total Rate per Unit =	6074.46							
	FIRST FLOOR BEAMS	Cum							
	External Beam Verticle		1	18.30	0.20	0.45	1.65		
	External Beam Verticle		1	18.30	0.20	0.45	1.65		
	External Beam Horizontal		1	38.00	0.20	0.45	3.42		

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	External Beam Horizontal		1	44.50	0.20	0.45	4.01		
	INNER BEAM								
	Grid -C		1	18.00	0.20	0.45	1.62		
	Grid -D		1	6.60	0.20	0.45	0.59		
	Grid -E		1	10.00	0.20	0.45	0.90		
	Grid -F		1	6.30	0.20	0.45	0.57		
	Grid -G		1	10.00	0.20	0.45	0.90		
	Grid -H		1	10.00	0.20	0.45	0.90		
	Grid -I		1	6.30	0.20	0.45	0.57		
	Grid -J		1	10.00	0.20	0.45	0.90		
	Grid -K		1	6.30	0.20	0.45	0.57		
	Grid -L		1	18.00	0.20	0.45	1.62		
	Grid -05		1	44.50	0.20	0.45	4.01		
	Grid -07		1	38.00	0.20	0.45	3.42		
							27.30	6074.46	165833.00
	Basic Rate =	5624.50							
	Area Weightage @ 8% =	449.96							
	Total Rate per Unit =	6074.46							
	SECOND FLOOR BEAMS	Cum							
	External Beam Verticle		2	5.00	0.20	0.45	0.90		
	External Beam Verticle		2	5.00	0.20	0.45	0.90		
	External Beam Horizontal		2	3.30	0.20	0.45	0.59		
	External Beam Horizontal		2	3.30	0.20	0.45	0.59		
							2.98	6074.46	18102.00
	Basic Rate =	5624.50							
	Area Weightage @ 8% =	449.96							
	Total Rate per Unit =	6074.46							
24	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-19)								
	GROUND FLOOR	Sqm							
	External Beam Verticle		2	18.30		0.45	16.47		
			1	18.30	0.20		3.66		
	External Beam Verticle		2	18.30		0.45	16.47		
			1	18.30	0.20		3.66		
	External Beam Horizontal		2	38.00		0.45	34.20		
			1	38.00	0.20		7.60		
	External Beam Horizontal		2	44.50		0.45	40.05		
			1	44.50	0.20		8.90		

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	INNER BEAM								
	Grid -C		2	18.00		0.45	16.20		
			1	18.00	0.20		3.60		
	Grid -D		2	6.60		0.45	5.94		
			1	6.60	0.20		1.32		
	Grid -E		2	10.00		0.45	9.00		
			1	10.00	0.20		2.00		
	Grid -F		2	6.30		0.45	5.67		
			1	6.30	0.20		1.26		
	Grid -G		2	10.00		0.45	9.00		
			1	10.00	0.20		2.00		
	Grid -H		2	10.00		0.45	9.00		
			1	10.00	0.20		2.00		
	Grid -I		2	6.30		0.45	5.67		
			1	6.30	0.20		1.26		
	Grid -J		2	10.00		0.45	9.00		
			1	10.00	0.20		2.00		
	Grid -K		2	6.30		0.45	5.67		
			1	6.30	0.20		1.26		
	Grid -L		2	18.00		0.45	16.20		
			1	18.00	0.20		3.60		
	Grid -05		2	44.50		0.45	40.05		
			1	44.50	0.20		8.90		
	Grid -07		2	38.00		0.45	34.20		
			1	38.00	0.20		7.60		
							333.41	315.36	105144.00
	Basic Rate =	292.00							
	Area Weightage @ 8% =	23.36							
	Total Rate per Unit =	315.36							
	FIRST FLOOR	Sqm							
	External Beam Verticle		2	18.30		0.45	16.47		
			1	18.30	0.20		3.66		
	External Beam Verticle		2	18.30		0.45	16.47		
			1	18.30	0.20		3.66		
	External Beam Horizontal		2	38.00		0.45	34.20		
			1	38.00	0.20		7.60		
	External Beam Horizontal		2	44.50		0.45	40.05		
			1	44.50	0.20		8.90		
	INNER BEAM								
	Grid -C		2	18.00		0.45	16.20		
			1	18.00	0.20		3.60		
	Grid -D		2	6.60		0.45	5.94		
			1	6.60	0.20		1.32		
	Grid -E		2	10.00		0.45	9.00		
			1	10.00	0.20		2.00		
	Grid -F		2	6.30		0.45	5.67		
			1	6.30	0.20		1.26		
	Grid -G		2	10.00		0.45	9.00		
			1	10.00	0.20		2.00		
	Grid -H		2	10.00		0.45	9.00		

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Grid -I		1	10.00	0.20		2.00		
			2	6.30		0.45	5.67		
	Grid -J		1	6.30	0.20		1.26		
			2	10.00		0.45	9.00		
	Grid -K		1	10.00	0.20		2.00		
			2	6.30		0.45	5.67		
	Grid -L		1	6.30	0.20		1.26		
			2	18.00		0.45	16.20		
	Grid -05		1	18.00	0.20		3.60		
			2	44.50		0.45	40.05		
	Grid -07		1	44.50	0.20		8.90		
			2	38.00		0.45	34.20		
			1	38.00	0.20		7.60		
							333.41	321.84	107305.00
	Basic Rate =	292.00							
	Lift charges=	6.00							
	Area Weightage @ 8% =	23.84							
	Total Rate per Unit =	321.84							
	SECOND FLOOR	Sqm							
	External Beam Verticle		4	5.00		0.45	9.00		
			2	5.00	0.20		2.00		
	External Beam Verticle		4	5.00		0.45	9.00		
			2	5.00	0.20		2.00		
	External Beam Horizontal		4	3.30		0.45	5.94		
			2	3.30	0.20		1.32		
	External Beam Horizontal		4	3.30		0.45	5.94		
			2	3.30	0.20		1.32		
							36.52	328.32	11990.00
	Basic Rate =	292.00							
	Lift charges=	12.00							
	Area Weightage @ 8% =	24.32							
	Total Rate per Unit =	328.32							
25	Providing and laying cement concrete using 20mm down size granite jelly of ready mixed concrte (RMC) for R.C.C works laid in 15cms thick and well compacted vibrating, curing etc.,including smooth finish cement mortar 1:3,with all lead lifts etc., complete (exclusive of cost of steel and fabrication charges) -Ready mixed cement concrete for Beams,columns,staircase and Roof with M-25 (1:1.5:3)(Cement-320Kg/cum) (Issue rate as on date 21-10-19, Item No. 4.49.2)								
	GROUND FLOOR SLAB	CUM							
			1	40.00	18.00	0.15	108.00		
			-2	3.00	6.90	0.15	-6.21		
	Deduction						101.79	6074.46	618319.00
	Basic Rate =	5624.50							
	Area Weightage @ 8% =	449.96							
	Total Rate per Unit =	6074.46							

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	FIRST FLOOR SLAB	CUM							
	SLAB		1	40.00	18.00	0.15	108.00		
	CONOPY		1	5.35	6.95	0.15	5.58		
	Deduction		-2	3.00	6.90	0.15	-6.21		
							107.37	6074.46	652199.00
	Basic Rate =	5624.50							
	Area Weightage @ 8% =	449.96							
	Total Rate per Unit =	6074.46							
	SECOND FLOOR SLAB	CUM							
	HEAD ROOM SLAB		2	3.30	6.90	0.15	6.83		
							6.83	6074.46	41495.00
	Basic Rate =	5624.50							
	Area Weightage @ 8% =	449.96							
	Total Rate per Unit =	6074.46							
26	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for flat surface such as suspended floors,roofs,landings,balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.16, I.No.4.30 of PWD SR 2018-19)								
	GROUND FLOOR ROOF	Sqm							
			1	40.00	18.00		720.00		
	Deduction		-2	3.00	6.90		-41.40		
							678.60	475.20	322471.00
	Basic Rate =	440.00							
	Area Weightage @ 8% =	35.20							
	Total Rate per Unit =	475.20							
	FIRST FLOOR ROOF	Sqm							
	SLAB		1	40.00	18.00		720.00		
	CONOPY		1	5.35	6.95		37.18		
	Deduction		-2	3.00	6.90		-41.40		
							715.78	475.20	340140.00
	Basic Rate =	440.00							
	Area Weightage @ 8% =	35.20							
	Total Rate per Unit =	475.20							
	SECOND FLOOR ROOF	Sqm							
	HEAD ROOM SLAB		2	3.30	6.90		45.54		
							45.54	475.20	21641.00
	Basic Rate =	440.00							
	Area Weightage @ 8% =	35.20							
	Total Rate per Unit =	475.20							
27	KSRB 15.3.13 Providing 12mm thick cement plastering in a single coat with cement mortar 1:3 to ceiling including rouding of corner wherever required smooth rendering, providing and removing scaffolding, including cost of materials, Labour, Curing complete as per specification. (Issue rate as on date 21-10-19, Item No. 15.21)								
	GROUND FLOOR FOR CEILING	Sqm	1	40.00	18.00		720.00		
							720.00	256.02	184338.00
	Basic Rate =	237.06							
	Area Weightage @ 8% =	18.96							
	Total Rate per Unit =	256.02							

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	FIRST FLOOR FOR CEILING	Sqm	1	40.00	18.00		720.00		
			1	5.35	6.95		37.18		
	Basic Rate =	237.06					757.18	256.02	193857.00
	Area Weightage @ 8% =	18.96							
	Total Rate per Unit =	256.02							
	SECOND FLOOR FOR CEILING	Sqm	1	3.30	6.900		22.77		
	Basic Rate =	237.06					22.77	256.02	5830.00
	Area Weightage @ 8% =	18.96							
	Total Rate per Unit =	256.02							
28	KSRB 7.9 : Providing and fixing M.S. grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (page no. 34, Item no.7.9 PWD-S.R 2018-19)								
	GROUND FLOOR	Sqm							
	W		25	1.80		1.50	67.50		
	W1		3	2.10		1.50	9.45		
	V		5	0.60		0.30	0.90		
							77.85		
				77.85x 21 kg/sqm			1634.85	102.60	167736.00
	Basic Rate =	95.00							
	Area Weightage @ 8% =	7.60							
	Total Rate per Unit =	102.60							
	FIRST FLOOR	Sqm							
	W		27	1.80		1.50	72.90		
	W1		3	2.10		1.50	9.45		
							82.35		
				82.35x 21 kg/sqm			1729.35	102.60	177431.00
	Basic Rate =	95.00							
	Area Weightage @ 8% =	7.60							
	Total Rate per Unit =	102.60							
	SECOND FLOOR	Sqm							
	W		2	1.80		1.50	5.40		
							5.40		
				5.40x 21 kg/sqm			113.40	102.60	11635.00
	Basic Rate =	95.00							
	Area Weightage @ 8% =	7.60							
	Total Rate per Unit =	102.60							
29	KSRB15-3.6 : Providing 15 mm thick cement plaster in single coat with Cement Mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete. (Issue rate as on date 21-10-19, Item No. 15.14) (INSIDE)								
	GROUND FLOOR	SQM							
	Outer Wall								
	Horizontal walls		1	42.00		3.05	128.10		
	Horizontal walls		1	48.00		3.05	146.40		

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Outer Wall								
	Vertical walls		1	18.30		3.05	55.82		
	Vertical walls		1	20.50		3.05	62.53		
	Vertical walls		1	6.50		3.05	19.83		
	Inner Side Wall								
	Horizontal walls		2	38.00		3.05	231.80		
	Horizontal walls		2	44.50		3.05	271.45		
	Inner Side Wall								
	Vertical walls		12	6.75		3.05	247.05		
	Vertical walls		12	7.62		3.05	278.89		
	DEDUCTIONS								
	FOR GROUND FLOOR								
	GATE		-1	5.35		2.10	-11.24		
	D1		-10	1.20		2.10	-25.20		
	D2		-5	0.75		2.10	-7.88		
	W		-25	1.80		1.50	-67.50		
	W1		-3	2.10		1.50	-9.45		
	V		-5	0.60		0.30	-0.90		
							1319.70	226.26	298595.00
	Basic Rate =	209.50							
	Area Weightage @ 8% =	16.76							
	Total Rate per Unit =	226.26							
	FIRST FLOOR	SQM							
	Outer Wall								
	Horizontal walls		1	42.00		3.05	128.10		
	Horizontal walls		1	48.00		3.05	146.40		
	Outer Wall								
	Vertical walls		1	18.30		3.05	55.82		
	Vertical walls		1	20.50		3.05	62.53		
	Vertical walls		1	6.50		3.05	19.83		
	Inner Side Wall								
	Horizontal walls		2	38.00		3.05	231.80		
	Horizontal walls		2	44.50		3.05	271.45		
	Inner Side Wall								
	Vertical walls		12	6.75		3.05	247.05		
	Vertical walls		12	7.62		3.05	278.89		
	DEDUCTIONS								
	FOR FIRST FLOOR								
	D1		-10	1.20		2.10	-25.20		
	D2		-5	0.75		2.10	-7.88		
	W		-27	1.80		1.50	-72.90		
	W1		-3	1.20		1.50	-5.40		
	V		-5	0.60		0.30	-0.90		
	Basic Rate =	209.50					1329.58	232.74	309447.00
	Lift charges=	6.00							
	Area Weightage @ 8% =	17.24							
	Total Rate per Unit =	232.74							

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	SECOND FLOOR	SQM							
	Outer Wall								
	Horizontal walls		2	3.30		3.05	20.13		
	Horizontal walls		2	3.30		3.05	20.13		
	Outer Wall								
	Vertical walls		2	5.00		3.05	30.50		
	Vertical walls		2	5.00		3.05	30.50		
	PARAPET WALL								
	Horizontal walls		1	38.00		0.90	34.20		
	Horizontal walls		1	44.50		0.90	40.05		
	Vertical walls		1	18.00		0.90	16.20		
	Vertical walls		1	18.00		0.90	16.20		
	DEDUCTIONS								
	D1		-2	0.90		2.10	-3.78		
	W		-2	1.80		1.50	-5.40		
	Basic Rate =	209.50					198.73	239.22	47540.00
	Lift charges=	12.00							
	Area Weightage @ 8% =	17.72							
	Total Rate per Unit =	239.22							
30	KSRB 15-7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (page no.117, it no.15.33 S.R 2018-19)								
	Ground Floor								
	Same qty as per inside wall pastering work	Sqm					1319.70		
	Basic Rate =	32.00							
	Area Weightage @ 8% =	2.56			Total Qty		1319.70	34.56	45609.00
	Total Rate per Unit =	34.56							
	First Floor								
	Same qty as per inside wall pastering work	Sqm					1329.58		
	Basic Rate =	32.00							
	Lift charges=	6.00							
	Area Weightage @ 8% =	3.04			Total Qty		1329.58	41.04	54566.00
	Total Rate per Unit =	41.04							
	Second Floor								
	Same qty as per inside wall pastering work	Sqm					198.73		
	Basic Rate =	32.00							
	Lift charges=	12.00							
	Area Weightage @ 8% =	3.52			Total Qty		198.73	47.52	9444.00
	Total Rate per Unit =	47.52							
31	KSRB-15.3.8 Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding of corners wherever required smooth rendering, providing and removing scaffolding, including cost of all materials, labours, curing, complete as per specificatioon. (Issue rate as on date 21-10-19, Item No. 15.16)(outer)								
	Ground Floor	sqm							
	Outer Wall								
	Horizontal walls		1	42.00		3.20	134.40		
	Horizontal walls		1	48.00		3.20	153.60		

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Outer Wall								
	Vertical walls		1	18.30		3.20	58.56		
	Vertical walls		1	20.50		3.20	65.60		
	Vertical walls		1	6.50		3.20	20.80		
	DEDUCTIONS								
	FOR GROUND FLOOR								
	GATE		-1	5.35		2.10	-11.24		
	W		-25	1.80		1.50	-67.50		
	W1		-3	2.10		1.50	-9.45		
	V		-5	0.60		0.30	-0.90		
							343.88	284.52	97838.00
	Basic Rate =	263.44							
	Area Weightage @ 8% =	21.08							
	Total Rate per Unit =	284.52							
	FIRST FLOOR	SQM							
	Outer Wall								
	Horizontal walls		1	42.00		3.20	134.40		
	Horizontal walls		1	48.00		3.20	153.60		
	Outer Wall								
	Vertical walls		1	18.30		3.20	58.56		
	Vertical walls		1	20.50		3.20	65.60		
	Vertical walls		1	6.50		3.20	20.80		
	DEDUCTIONS								
	FOR FIRST FLOOR								
	D1		-10	1.20		2.10	-25.20		
	D2		-5	0.75		2.10	-7.88		
	W		-27	1.80		1.50	-72.90		
	W1		-3	1.20		1.50	-5.40		
	V		-5	0.60		0.30	-0.90		
							320.69	284.52	91240.00
	Basic Rate =	263.44							
	Area Weightage @ 8% =	21.08							
	Total Rate per Unit =	284.52							
	SECOND FLOOR	SQM							
	Outer Wall								
	Horizontal walls		2	3.30		3.20	21.12		
	Horizontal walls		2	3.30		3.20	21.12		
	Outer Wall								
	Vertical walls		2	5.00		3.20	32.00		
	Vertical walls		2	5.00		3.20	32.00		
	PARAPET WALL								
	Horizontal walls		1	38.00		0.90	34.20		
	Horizontal walls		1	44.50		0.90	40.05		
	Vertical walls		1	18.00		0.90	16.20		
	Vertical walls		1	18.00		0.90	16.20		

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	DEDUCTIONS								
	D1		-2	0.90		2.10	-3.78		
	W		-2	1.80		1.50	-5.40		
	Basic Rate =	263.44					203.71	284.52	57959.00
	Area Weightage @ 8% =	21.08							
	Total Rate per Unit =	284.52							
32	KSRB 15-7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (page no.117. item no.15.33 S.R 2018-19)								
	Ground Floor								
	Same qty as per outside wall pastering work	Sqm					343.88		
	Basic Rate =	32.00							
	Area Weightage @ 8% =	2.56			Total Qty		343.88	34.56	11884.00
	Total Rate per Unit =	34.56							
	First Floor								
	Same qty as per outside wall pastering work	Sqm					320.69		
	Basic Rate =	32.00							
	Area Weightage @ 8% =	2.56			Total Qty		320.69	34.56	11083.00
	Total Rate per Unit =	34.56							
	Second Floor								
	Same qty as per outside wall pastering work	Sqm					203.71		
	Basic Rate =	32.00							
	Area Weightage @ 8% =	2.56			Total Qty		203.71	34.56	7040.00
	Total Rate per Unit =	34.56							
33	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)								
	Ground Floor								
	Footings	Tonne		164.85	kg/cum	120.00	19782.00		
	lintels			6.20	kg/cum	70.00	433.68		
	Columns			70.64	kg/cum	95.00	6710.61		
	Plinth beams			28.84	kg/cum	93.00	2682.12		
	Roof beams			57.58	kg/cum	110.00	6333.80		
	Roof			215.99	kg/cum	95.00	20518.90		
							56461		
	Basic Rate =	64410.00					56.46	69562.80	3927592.00
	Area Weightage @ 8% =	5152.80							
	Total Rate per Unit =	69562.80							
34	Providing and applying two coats of wall putty to inside plaster walls and ceiling using white cement putty. Scapping and leveling the syurface using steel blade and preparing the surface even and smooth by using different grade, sand papers including cost of all materilas, cost of labour, scaffolding etc.., complete as per specification (page no 128 - Item No 15.106 PWD SR -2018-19)								
	Ground Floor	Sqm							
	Same qty as per inside wall painting work						1319.70		
	Basic Rate =	78.00					1319.70	84.24	111171.28
	Area Weightage @ 8% =	6.24							
	Total Rate per Unit =	84.24							
	First Floor	Sqm							

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Same qty as per inside wall painting work								
	Basic Rate =	78.00					1329.58		
	Area Weightage @ 8% =	6.24					1329.58	84.24	112003.99
	Total Rate per Unit =	84.24							
	Second Floor	Sqm							
	Same qty as per inside wall painting work								
	Basic Rate =	78.00					198.73		
	Area Weightage @ 8% =	6.24					198.73	84.24	16741.02
	Total Rate per Unit =	84.24							
35	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges etc., complete as per directions of the Engineer-in-charge o f the work . (PWD -SZB-SR 2018-19, P-128, I-15.105)								
	For External walls	SQM							
			1	30.00	6.00		180.00		
			1	15.00	3.50		52.50		
							232.50	474.12	110232.90
	Basic Rate =	439.00							
	Area Weightage @8% =	35.12							
	Total Rate per Unit =	474.12							
36	KSRB 13-11: Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labhour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity). (PWD-SR 2018-19, P-96, I-13.78)								
	Ground Floor	No's	2						
							2.00	7374.24	14748.00
	Basic Rate =	6828.00							
	Area Weightage @8% =	546.24							
	Total Rate per Unit =	7374.24							
37	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete. (PWD-SR 2018-19, P-53, I-9.11)								
	Ground Floor	Cum							
	D		10	6.60	0.10	0.125	0.83		
							0.83	94612.32	78055.00
	Basic Rate =	87604.00							
	Area Weightage @8% =	7008.32							
	Total Rate per Unit =	94612.32							
	First Floor	Cum							
	ED		10	6.60	0.10	0.125	0.83		
							0.83	94612.32	78055.00
	Basic Rate =	87604.00							
	Area Weightage @8% =	7008.32							
	Total Rate per Unit =	94612.32							

S.N			No.	L	B	D	Qty	Rate	Amount
	Second Floor	Cum							
	D		2	6.60	0.10	0.125	0.17		
							0.17	94612.32	15611.00
	Basic Rate =	87604.00							
	Area Weightage @8% =	7008.32							
	Total Rate per Unit =	94612.32							
38	KSRB 9-7.2 : Providing and fixing in position fully panelled Honne wood shutters for door,styles and rails of 30mm.thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials,labhour, HOM of machineries complete .(excluding cost of fixtures). (PWD-SR 2018-19, P-54, I-9.21)								
	Ground Floor	sqm							
	D		10	1.20		2.10	25.20		
							25.20	4629.96	116675.00
	Basic Rate =	4287.00							
	Area Weightage @8% =	342.96							
	Total Rate per Unit =	4629.96							
	First Floor	sqm							
	D		10	1.20		2.10	25.20		
							25.20	4629.96	116675.00
	Basic Rate =	4287.00							
	Area Weightage @8% =	342.96							
	Total Rate per Unit =	4629.96							
	Second Floor	sqm							
	D		2	1.20		2.10	5.04		
							5.04	4629.96	23335.00
	Basic Rate =	4287.00							
	Area Weightage @8% =	342.96							
	Total Rate per Unit =	4629.96							
39	Providing and fixing 65mm X 125mm GRP Door frame fabricated using E-Glass Chopped Strand Mat (CSM) U.V - sablized Isopathlic Gelcoat and Isopthalic resin. The thickness of the GRP Skin shall not be less than 2.0mm. The door frame consists of four segments, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement on 6 locations for Providing and fixing 65mm X 125mm GRP Door frame fabricated using E-Glass Chopped Strand Mat (CSM) U.V -.sablized Isopathlic Gelcoat and Isopthalic resin. The thickness of the GRP Skin shall not be less than 2.0mm. The door frame consists of four segments, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement on 6 locations for high screw holding capacity for fixing metalling hold fast and shall be consolidated by filling with medium density foam/plaster of paris with fibre reinforcement. Six numbers of 260mmX25mmX5mm size S shaped M.S. flat hold fast shall be provided with the frame.(PWD-SR 2018-19, P.63 I No.9.96)								
	Ground Floor	M							
	D2		5	5.70			28.50		
							28.50	594.00	16929.00
	Basic Rate =	550.00							
	Area Weightage @8% =	44.00							
	Total Rate per Unit =	594.00							
	First Floor	M							
	D2		5	5.70			28.50		
							28.50	594.00	16929.00
	Basic Rate =	550.00							
	Area Weightage @8% =	44.00							
	Total Rate per Unit =	594.00							

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
40	Providing and fixing factory made single leaft rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopathic Gelcoat and on layer of 45 gsm E-class Chopped strand Mat (CSM), impregnated with orthopthalic polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20Kg/m3 shall be used as core mterial. Wooden reinforcements made of seasoned Salwood block of cross section not less than 28mmX32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles etc shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforcement and the skins.The material and process for manufacturing the door shutters shall confirm to RV/TIFAC composites Design Centre standards and specifications and the door shutters tested in confirmation to IS 4020-1994. (P.59 I No.9.93) The finish of shutter will be plain colour White/Ivory/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. (PWD-SR 2018-19, P.62 I No.9.93)								
	Ground Floor	sqm							
	D2		5	0.75		2.10	7.88		
							7.88	3240.00	25515.00
	Basic Rate =	3000.00							
	Area Weightage @8% =	240.00							
	Total Rate per Unit =	3240.00							
	First Floor	sqm							
	D2		5	0.75		2.10	7.88		
							7.88	3244.32	25549.02
	Basic Rate =	3000.00							
	Lift charges=	4.00							
	Area Weightage @8% =	240.32							
	Total Rate per Unit =	3244.32							
41	KSRB 7-1.Providing & fixing in position collapsable steel shutters with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5 cms openings at 10 cms C to C applying a priming coat of red lead paint. Cost of materials, labour, HOM of machinary complete as per specifications. (PWD-SR 2018-19, P.33 I No.7.1)								
	Entry Gate	sqm							
	Gate		1	1.80		2.50	4.50		
							4.50	5626.80	25320.60
	Basic Rate =	5210.00							
	Area Weightage @8% =	416.80							
	Total Rate per Unit =	5626.80							
42	KSRB 15-5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete. (Issue rate as on date 21-10-19, Item No. 15.30)								
	Ground Floor								
	Toilet Rooms	SQM	5	6		2.10	63.00		
	Deduction For Opening Door		-5	0.75		2.10	-7.88		
							55.13	223.93	12344.00
	Basic Rate =	207.34							
	Area Weightage @8% =	16.59							
	Total Rate per Unit =	223.93							
	First Floor								
	Toilet Rooms	SQM	5	6.5		2.10	68.25		
	Deduction For Opening Door		-4	0.75		2.10	-6.30		
							61.95	223.93	13872.00
	Basic Rate =	207.34							
	Area Weightage @8% =	16.59							
	Total Rate per Unit =	223.93							
43	Providing and filling in foundation / below flooring with granite / trap broken metal 100mm and down size with approved quality sand including hand packing, ramming, watering, including the cost of all materials and labour with all lead and lift complete. (PWD-SR 2018-19, P.7 I No.2.15)								

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	PLINTH AREA	SQM	1	18.00	25.00	0.15	67.50		
							67.50	2623.32	177074.00
	Basic Rate =	2429.00							
	Area Weightage @8% =	194.32							
	Total Rate per Unit =	2623.32							
44	Providing and applying enamel metal paint in two coats (Excluding priming coat) over new steel or other metal surface including preparing the surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter including cost of all materials , labour, complete as per specifications. (PWD-SR 2018-19, P.123 I No.15.74)								
	Quantity Same As M.S. Grills Item	SQM					165.60		
	Quantity Same As M.S. Rolling Shutter Item	SQM					4.50		
							170.10	102.60	17452.00
	Basic Rate =	95.00							
	Area Weightage @8% =	7.60							
	Total Rate per Unit =	102.60							
45	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 (PWD-SR 2018-19, pg no-147 I-19.60)								
		Cum	1	15.00	30.00	0.40	180.00		
							180.00	351.00	63180.00
	Basic Rate =	325.00							
	Area Weightage @8% =	26.00							
	Total Rate per Unit =	351.00							
46	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,complete. (PWD -SZB-SR 2016-17, P-108, I-14.51)								
	ENTRANCE STEPS								
	Steps (riser)	Sqm	4	5.50	0.15		3.30		
	Steps (Tread)		4	5.50	0.30		6.60		
	Landing		1	5.50	1.50		8.25		
	GROUND FLOOR STEPS								
	Steps (riser)	Sqm	23	1.20	0.15		4.14		
	Steps (Tread)		24	1.20	0.30		8.64		
	Skirting		2	3.90	0.30		2.34		
	Landing		1	2.40	1.20		2.88		
	Basic Rate =	4456.00					36.15	4812.48	173971.15
	Area Weightage @ 8% =	356.48							
	Total Rate per Unit =	4812.48							

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	FIRST FLOOR STEPS								
	Steps (riser)	Sqm	23	1.20	0.15		4.14		
	Steps (Tread)		24	1.20	0.30		8.64		
	Skirting		2	3.90	0.30		2.34		
	Landing		1	2.40	1.20		2.88		
	Basic Rate =	4456.00					18.00	4814.64	86663.52
	Lift charges=	2.00							
	Area Weightage @ 8% =	356.64							
	Total Rate per Unit =	4814.64							
47	KSRB: 8.6: Providing and fixing on wall surface 2.5kg/sq.cm H.D.P.E rain down water pipes of approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wallplugs, screws, including cost of all materials, labour, curing, complete as per specifications , (PWD-SR 2018-19, P-49, 1-8.16)								
		Rmt	10	7			70.00		
							70.00	394.20	27594.00
	Basic Rate =	365.00							
	Area Weightage @8% =	29.20							
	Total Rate per Unit =	394.20							
	BOREWELL ESTIMATE								
48	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,P.W.S.S by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground indecundity its quality & acceptability of the users indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre inconsolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other information required including transportation of instrument and accesories to work site,engaging technical personal and labour required etc.,(Issue rate as on date 02/05/2019 It.13.04)								
		No	1				1.00	3768.00	3768.00
49	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01)								
	0 to 50 m	Rmt	1	50.00			50.00	347.00	17350.00
	50 to 100 m	Rmt	1	50.00			50.00	442.00	22100.00
	100 to 150 m	Rmt	1	50.00			50.00	456.00	22800.00
	150 to 200 m	Rmt	1	50.00			50.00	536.00	26800.00
	200 to 250 m	Rmt	1	50.00			50.00	634.00	31700.00
	250 to 300 m	Rmt	1	50.00			50.00	700.00	35000.00
	300 to 350 m	Rmt	1	50.00			50.00	825.00	41250.00
	350 to 400 m	Rmt	1	50.00			50.00	900.00	45000.00
	400 to 420 m	Rmt	1	20.00			20.00	1129.00	22580.00

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
50	Providing and fixing 250mm dia PVC (casing pipe) (page no.XXXI, SL no.909) (KPWD SR 2016-17)	Rmt	2	6.00			12.00	2600.00	31200.00
51	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments.	Rmt	1	50.00			50.00	1325.00	66250.00
52	Providing 175mm Dia M.S. Collar (P.No.iii,I.No.86) PRED SR 2012-13	No	8				8.33	150.00	1250.00
53	Providing 175mm dia Bore Cap CE (M) (P.No.iii,I.No.85) PRED SR 2012-13	No	1				1.00	100.00	100.00
54	Atalanta suguna CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5 KV (20 [illegible] (Pg No. XLI, Sl no 29) KPWD SR 2018-19	No	1				1.00	49955.00	49955.00
55	Providing and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipment and testing complete as per specifications. Specification No. KBS 13.2.14/13.6 (page no.92/It no.13.15)KPWD SR 2018-19.								
	Basic rate	388.00							
	A.W @ 6%	23.28							
	Total	411.28							
		Rmt	1	370.00			370.00	411.28	152174.00
56	Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and power coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of group A 3CX4.0 sq.mm (PWD Ele SR 2014-15,P-12/It-2.10.3)								
	Add 5mts for Switching	Rmt	2	375.00			750.00	126.70	95025.00
57	Providing and fixing in position 50mm Nominal bore non-return valve vertical type of approved make including cost of all materials,labour and HOM of equipment with all leads complete as per specifications.(PWD SR 18-19,P-95/It no.13.62)								
	Basic rate	1269							
	A.W @ 6%	76.14							
	Total	1345.1							
		No	1				1.00	1345.14	1345.00
58	Spplying and fixing 50mm GI Union.(PWD SR 2018-19,P-XXXIX)	No	1				1.00	223.70	224.00
59	Spplying and fixing 50mm GI Elbow.(PWD SR 2018-19,P-XXXIX)	No	1				1.00	111.80	112.00
60	Spplying and fixing 50mm GI Nipple.(PWD SR 2018-19,P-XXXIX)	No	1				1.00	104.30	104.00
61	Spplying and fixing 50mm GI Hose colleres(PWD SR 2018-19,P-XXXIX)								

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
		No	62				62.00	103.00	6386.00
62	Supplying and fixing 20" x 20" x 2.5" polished wood board made of not less than 15mm thick plank on both the sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P.no.44 / 1 no. 6.6.6 KPWD ELE SR 2019-20								
		No	1				1.00	302.00	302.00
63	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.(PWD Ele SR 2019-20,P-47/Sl no.6.16.6) 40-63 Amps								
		No	1				1.00	1936.00	1936.00
64	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps (PWD Ele SR 2019-20,P-24,lt-5.5.1)								
		No	1				1.00	1800.00	1800.00
65	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC(PWD Ele SR 2019-20,p-29,Sl no.5.38)								
		No	1				1.00	430.00	430.00
66	Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts phase and wired after fixing to the existing wooden board for motor. upto 12.5HP(PWD Ele SR 2019-20,p-24,Sl no.-5.2.1)								
		No	1				1.00	6400.00	6400.00
67	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP capacities.(PWD Ele SR 2019-20,p-44/Sl no.5.3)								
		No	1				1.00	745.00	745.00
68	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of group A. 4 sqmm (PWD Ele SR 2019-20,p-6,lt-2.3.4(d)								
		Mtrs	1	20.00			20.00	45.00	900.00
69	Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor improvement of rotating machinery.(PWD Ele SR 2019-20,p-29/Sl no.5.37)								
		No	4				4.00	400.00	1600.00
70	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia (PWD Ele SR 2019-20,p-40,Sl no.6.1)								
		No	1				1.00	2999.70	3000.00
71	Digging of trench of 0.36mtrs deepx0.5 mtrs wide refilling the trench to the required gorund level and consolidating etc., complete (PWD Ele SR 2019-20,p-41,lt-6.6.2) hard soil								
		Mtrs	1	8.00			8.00	102.00	816.00

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
72	Supplying laying 1.1 KV class LT UG cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip (excep 2cx 10 sqmm wire armoured) confirming to IS-3975:1990 (No. of strip indicated in GTP) and extruded PVC outer sheathed armoured cable with specified IS-1554,part-1:1988 and confirming to the attached GTP of group A 4 core 16 sq mm PWD Ele SR 2019-20,p-40,lt-6.4.4)								
		Mtrs	1	10.00			10.00	150.00	1500.00
73	Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing trench/duct. 6 sq mm to 16 sq mm(PWD Ele SR 2019-20,p-41,lt-6.5.1)								
		No	1	25.00			25.00	11.88	297.00
74	Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 40mm(PWD Ele SR 2019-20,p-41,lt-6.9.1)								
		Rmt	1	2.00			2.00	335.00	670.00
75	Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound complete with terminals,clamps bolts and nuts and washer etc.,complete for 16 sq mm as per specifications.(PWD Ele SR 2019-20,p-42,lt-6.10.2)								
		No	1				1.00	270.00	270.00
76	Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 amps(PWD Ele SR 2019-20,p-25,lt-5.7.3)								
		No	3				3.00	227.00	681.00
77	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (KPWD SR 2018-19, P-140, lt 18.47)								
	Basic rate	899.00							
	A.W @ 6%	53.94							
	Total	952.94							
	Block 1								
	Main line 1	Cum	1	220	0.45	0.20	19.80		
	House Connection		20	10.00	0.45	0.20	18.00		
							37.80	952.94	36021.00
78	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specificatlon. No. KBS 2.1(b) / 2.3.5 (KPWD SR 2018-19, P-6, lt-2.4)								
	Basic rate	449.00							
	A.W @ 6%	26.94							

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	475.94							
	Block 1								
	Main line 1	Cum	1	220	0.45	0.30	29.7		
	House Connection		20	10.00	0.45	0.30	27.00		
							56.70	475.94	26986.00
79	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (external work) - 50mm nominal OD pipes (KPWD SR 2018-19, P-99, It-13.87.6)								
	Basic rate	432.00							
	A.W @ 6%	25.92							
	Total	457.92							
	Block 1								
	Main line 1	Mtr	1	220			220.00		
							220.00	457.92	100742.00
80	Making connection of G.I.distribution branch with G.I.main of 25mm to 40mm. Nominal bore, including cutting and threading the pipes,providing and fixing Tee, nuts,labour for all item of works,testing and HOM of equipments complete as per specifications. (P.No.93/ I.No. 13.20 of KPWD SR 2018-19)								
	Basic rate	483.00							
	A.W @ 6%	28.98							
	Total	511.98							
	House Connection	Each	20				20.00	511.98	10240.00
81	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 20mm nominal OD pipes (KPWD SR 2018-19, P-98, It-13.85.2)								
	Basic rate	157.00							
	A.W @ 6%	9.42							
	Total	166.42							
	Distribution line	Mtr	20	10.00			200.00		
	Tap Connection		20	1.00			20.00		
							220.00	166.42	36612.00
82	Providing and fixing to wall, ceiling and floor Medium density polyethylene pipes 6.00 kgf/sq.cm working pressure 25mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No KBS 13.2.15.1 / 13.9 (KPWD SR 2018-19, P-95, It-13.67)								
	Basic rate	129.00							
	A.W @ 6%	7.74							
	Total	136.74							
	for other Purposes	Mtr	1	250.00			250.00		

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
83	KSRB 2-4 : Refilling available around earth pipe lines.cables in layers mot exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m. Including cost of all labour complete as per specifications.(KPWD SR 2018-19, P-7, it-2.11)						250.00	136.74	34185.00
	Basic rate	121.00							
	A.W @ 6%	7.26							
	Total	128.26							
	70% of Qty Vide Item No. 31	Cum					39.69	128.26	5091.00
84	Loading and unloading of stone boulder/stone aggregates/sand/kanker/ moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader.dumping, turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (KPWD SR 2018-19,P-136, it.17.1)								
	Item No:-17.1 Loading	57.00							
	Conveying for 16km	40.96							
	Total	97.96							
	Balance Qty Vide item No. 30+ 30% of 31 item	Cum					54.81		
							54.81	97.96	5369.00
85	KSRB 2-4 : Providing and fixing in position brass gate valve with C.I.wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials,labour and HOM of equipments with all leads complete as per specifications. (P.No.94/ I.No. 13.37 of KPWD SR 2018-19)								
	Basic rate	1739.00							
	A.W @ 6%	104.34							
	Total	1843.3							
	For Main Line	Each	1				1.00	1843.34	1843.00
86	KSRB13-6.2-1 : Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (Pg No:-93/I.No:-13.26 of KPWD SR 2018-19 2018-19)								
	Basic rate	141.00							
	A.W @ 6%	8.46							
	Total	149.46							
	Tap Connection	Each	20				20		
							20.00	149.46	2989.00
87	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.3 of KPWD SR 2018-19)								
	Basic rate	5102.0							
	A.W @ 6%	306.12							

	Total	5408.1							
	Block 1								
	Main line 1		1	220	0.45	0.15	14.85		
	House Connection	Cum	20	10.00	0.45	0.15	13.50		
							28.35	5408.12	153320.00
88	BESCOM deposit Charges and miscellaneous								
		No	1.00				1.00	12000.00	12000.00
	TOTAL								16622646.47
								TOTAL-A	16622646.47
								FOR TENDER PREMIUM 5%	831132.32
								FOR DPR 1%	200000.00
								FOR PMC 1%	200000.00
								TOTAL -B=(TOTAL- A + TENDER PREMIUM CHARGES+DPR+PMC)	17853778.79
								GST 12%	2142453.46
								TOTAL -C (TOTAL-B +GST)	19996232.25
								Miscellaneous	3767.75
								GRAND TOTAL	2,00,00,000.00

CONE ENGINEERS & CONSULTANTS Bangalore

CERTIFICATE

1.The site has been inspected and the work is found to be necessary.
2.The estimate is based on KPWD SR of 2018-19.
3.The provisions were made in this estimate are necessary and adequate.
4.The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No- 16
BBMP

Assistant Executive Engineer
Yashwanthapura Sub Division
BBMP
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Executive Engineer
R.R. Nagar Division
BBMP

ನಂ.: 188 ದಿನಾಂಕ: 21/11/2020
ಸಂ. 200,00,000/- (Two crore only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜುರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-72

TECHNICAL SANCTION

Rs: 20000000/- (Rs Two crore only) is accorded under the head: P - 1771

By CE(R.R.N.) P.N. 72-73

Registered as CE (R.R.N) No: 284/20-21 subject to conditions contained in enclosed memo No: 284/20-21 Dt. 15/12/2020

TA.

CE (R.R.N.)